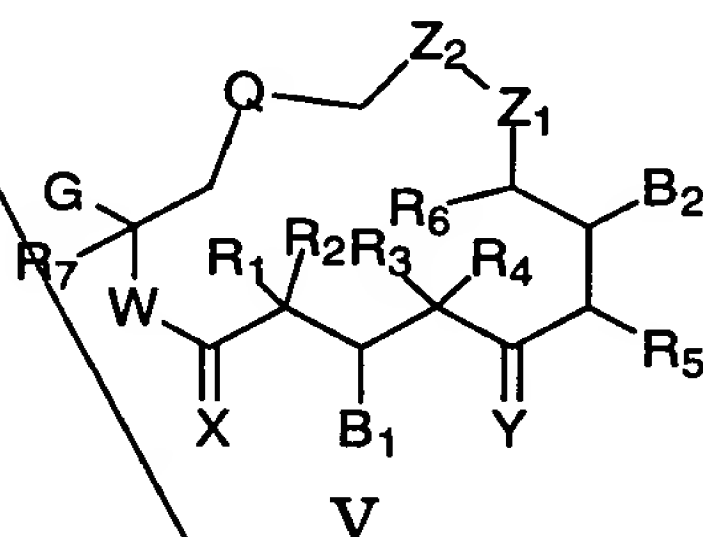
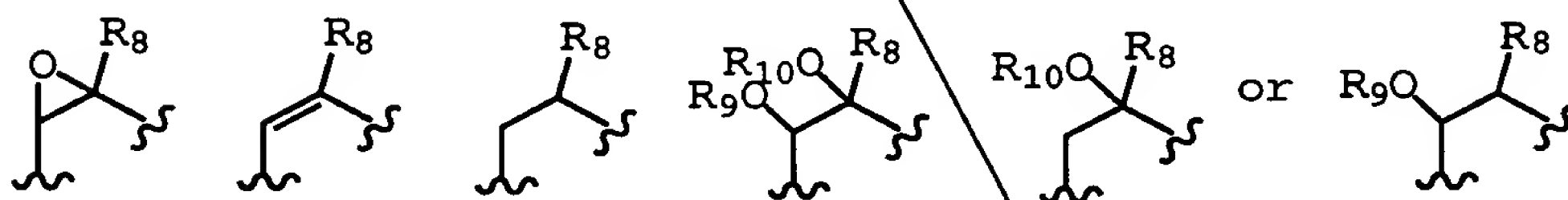


EPOTHILONE DERIVATIVESAbstract of the Disclosure

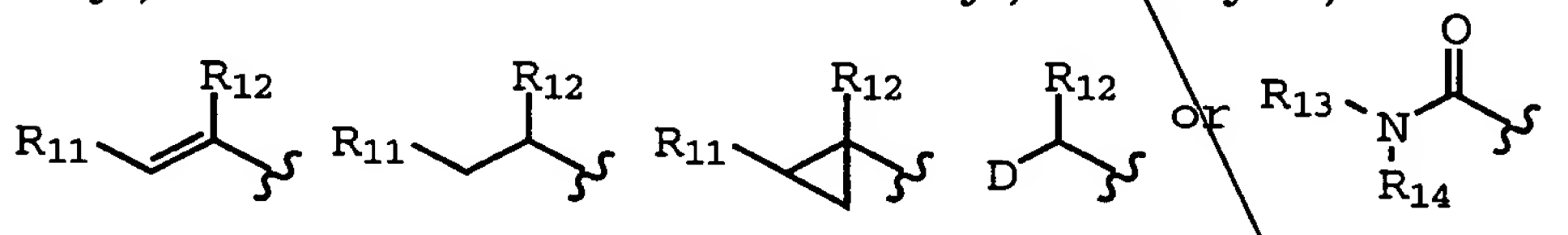
5 The present invention relates to compounds of the formula



10 Q is selected from the group consisting of



15 G is selected from the group consisting of alkyl, substituted alkyl, substituted or unsubstituted aryl, heterocyclo,



W is O or NR₁₅;

X is O or H,H;

20 Y is selected from the group consisting of O, H, OR₁₆; OR₁₇, OR₁₇; NOR₁₈; H, NOR₁₉; H, NR₂₀R₂₁; H,H; or CHR₂₂; OR₁₇ OR₁₇ can be a cyclic ketal;

Z₁, and Z₂ are selected from the group consisting of CH₂, O, NR₂₃, S, or SO₂, wherein only one of Z and Z₂ is a heteroatom;

25 B₁ and B₂ are selected from the group consisting of OR₂₄, or OCOR₂₅, or O₂CNR₂₆R₂₇; when B₁ is H and Y is OH, H they can form a six-membered ring ketal or acetal;

D is selected from the group consisting of NR₂₈R₂₉, NR₃₀COR₃₁ or saturated heterocycle

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Cont

$R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_{13}, R_{14}, R_{18}, R_{19}, R_{20}, R_{21}, R_{22}, R_{26}$, and R_{27} are selected from the group H, alkyl, substituted alkyl, or aryl and when R_1 and R_2 are alkyl can be joined to form a cycloalkyl; R_3 and R_4 are alkyl can be joined to form a cycloalkyl;

5 $R_9, R_{10}, R_{16}, R_{17}, R_{24}, R_{25}$, and R_{31} are selected from the group H, alkyl, or substituted alkyl;

$R_8, R_{11}, R_{12}, R_{28}, R_{30}, R_{32}, R_{33}$, and R_{30} are selected from the group consisting of H, alkyl, substituted alkyl, aryl, substituted aryl, cycloalkyl, or heterocyclo;

10 R_{15}, R_{23} and R_{29} are selected from the group consisting of H, alkyl, substituted alkyl, aryl, substituted aryl, cycloalkyl, heterocyclo, $R_{32}C=O$, $R_{33}SO_2$, hydroxy, O-alkyl or O-substituted alkyl, the pharmaceutically acceptable salts thereof and any hydrates, solvates or geometric, optical and stereoisomers thereof, with the proviso that compounds wherein

15 W and X are both O; and

R_1, R_2, R_7 , are H; and

R_3, R_4, R_6 , are methyl; and

R_8 , is H or methyl; and

Z_1 , and Z_2 , are CH_2 ; and

20 G is 1-methyl-2-(substituted-4-thiazolyl)ethenyl; and

Q is as defined above

are excluded.